



#8

HMR2053usnpl.ST25  
SEQUENCE LISTING

<110> AVENTIS PHARMACEUTICALS INC.  
GUO, Yong  
MORSE, Clarence  
YAO, Zhengbin

<120> MEMBRANE PENETRATING PEPTIDES AND USES THEREOF

<130> HMR2053 USNPL

<140> 09/933,780  
<141> 2001-08-21

<150> US 60/27,647  
<151> 2000-08-25

<150> GB 0103110.3  
<151> 2001-02-07

<160> 54

<170> PatentIn version 3.0

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Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala  
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<220>  
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Cys Phe Ile Thr Lys Ala Leu Gly Ile Ser Tyr Gly Arg Lys Lys Arg  
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<223> Fragment of the N-terminus of fibroblast growth factor.

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Asn Tyr Lys Lys Pro Lys Leu  
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<223> Linus luteus nuclear protein import sequence

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<212> PRT

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Lys Lys Leu Lys Lys  
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<211> 11

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<223> Sequence of intracellular loop of 5HT2A receptor

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<211> 23

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<220>

<223> Sequence of C-terminal transmembrane 7 domain derived from 5HT2A receptor

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Lys Lys Pro Leu Gln Leu Ile  
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<210> 12

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Arg Lys Lys Arg Arg Gln Arg Arg Arg  
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Gly Phe Leu Gly  
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Asp Asp Asp Asp Lys  
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Gly Met Asp Tyr Lys Asp Asp Asp Asp Lys Gly Tyr Gly Arg Lys Lys  
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Lys Arg Arg Gln Arg Arg Arg  
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Lys Arg Arg Gln Arg Arg Arg  
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Lys

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Gly Lys  
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Gly Asp Pro Lys Lys Lys Arg Lys Val  
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Pro Arg Asp

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Gly Arg Lys Gly Lys His Lys Arg Lys Lys Leu Pro  
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Gly Lys Arg Val Ala Lys Arg Lys Leu Ile Glu Gln Asn Arg Glu Arg  
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Arg Arg

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Gly Arg Lys Leu Lys Lys Lys Asn Glu Lys Glu Asp Lys Arg Pro  
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Arg Thr

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HMR2053usnpl.ST25

Gly Lys Lys Thr Asn Leu Phe Ser Ala Leu Ile Lys Lys Lys Lys Thr  
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Ala

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Arg Arg

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Gly Lys Arg Ala Arg Asn Thr Glu Ala Ala Arg Arg Ser Arg Ala Arg  
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Lys Leu

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Gly Arg Arg Arg Ala Thr Ala Lys Tyr Arg Thr Ala His  
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Gly Lys Arg Arg Arg Ala Thr Ala Lys Tyr Arg Ser Ala His

## HMR2053usnp1.ST25

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Arg

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HMR2053usnpl.ST25

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HMR2053usnpl.ST25

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Ser Arg Arg His His Cys Arg Ser Lys Ala Ala Arg Ser Arg His His  
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HMR2053usnpl.ST25

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<400> 51

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<400> 52

Arg Arg His His Cys Arg Ser Lys Ala Lys Arg Ser Arg  
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<400> 53

Gln Glu Leu Ser Glu Gln Ile His Arg Leu Leu Leu Gln Pro Val  
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HMR2053usnp1.ST25

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Xaa Xaa Xaa Xaa  
1